

# IP CAM User Guide

One of the best features of the Thecus NAS is its nearly unlimited expandability through modules. With new modules, users can extend what the Thecus NAS can do. In this guide, you will learn how to install and use Thecus' latest module: IP CAM Surveillance. With it, you can use the Thecus NAS as an IP Cam server.

You can install the IP CAM module via **System > Module Mgmt.** See the figure below for reference.



Next, install the IP CAM module. You can get either from Thecus web site or on the CD shipped with system.

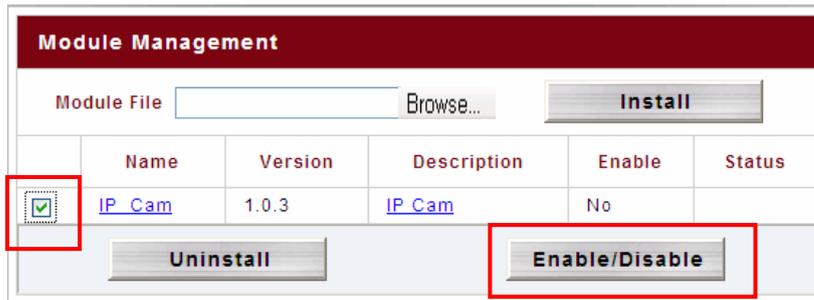
Next, click **Browse** locate the module file. Then click **Install** to complete the IP CAM module installation.



Once installation is successful, you should see the module displayed:



To activate the IP CAM module, tick the check box in the front of module item and then click “Enable/Disable”. See the figure below for reference.



The figure below shows the status for IP CAM module after installation.



To start setting up the IP CAM function, double click the IP CAM module you have installed and the setup screen will appear as below:



Or through the main menu tree under the **Status** category if the IP CAM module is set to “Enable”. If the IP CAM module set to “Disable”, then won’t appear in menu tree. Please refer the figure below.



Next, click **Add** to enter the **IP CAM Configure** window. The supported number of IP CAMs in one system is limited to 20. See the figure below for setup details.

IP Cam Configure																																																	
Brand	Afreey ANC-818G																																																
Location																																																	
URL	<small>Ex : http://Host name or IP address/cgi-bin/video.jpg</small>																																																
Username	<small>( Limit : 0~9, a~z, A~Z )</small>																																																
Password	<small>( Limit : 0~9, a~z, A~Z )</small>																																																
Interval	0.5 seconds																																																
Folder	x60IBM																																																
Schedule																																																	
Schedule State	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled																																																
Frequency	<input type="checkbox"/> Always																																																
Week Day	<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday																																																
Time	<input type="checkbox"/> Select All																																																
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<input type="button" value="Apply"/> <input type="button" value="Back"/>																																																	

First, please select supported IP CAM brand and model from **Brand** drop down.

IP Cam Configure	
Brand	<div style="border: 1px solid red; padding: 2px;">           Afreey ANC-818G            Afreey ANC-818G            SparkLan CAS-370W            Axis 207            Panasonic BL-C10            Vivotek PT-7137         </div>
Location	
URL	<small>Ex : http://Host name or IP address/cgi-bin/video.jpg</small>
Username	<small>( Limit : 0~9, a~z, A~Z )</small>
Password	<small>( Limit : 0~9, a~z, A~Z )</small>
Interval	0.5 seconds
Folder	x60IBM

Next, enter a location for this IP cam into the **Location** field. For example, you can enter “Office” for an IP Cam that is monitoring your office. The system will create the folder under selected system folder in setting below with inputted location and automatically store recorded video files into it.

IP Cam Configure	
Brand	SparkLan CAS-370W
Location	Office
URL	<input type="text"/> Ex : http://Host name of IP address/image.jpg
Username	<input type="text"/> ( Limit : 0~9, a~z, A~Z )
Password	<input type="text"/> ( Limit : 0~9, a~z, A~Z )
Interval	0.5 seconds
Folder	x60IBM

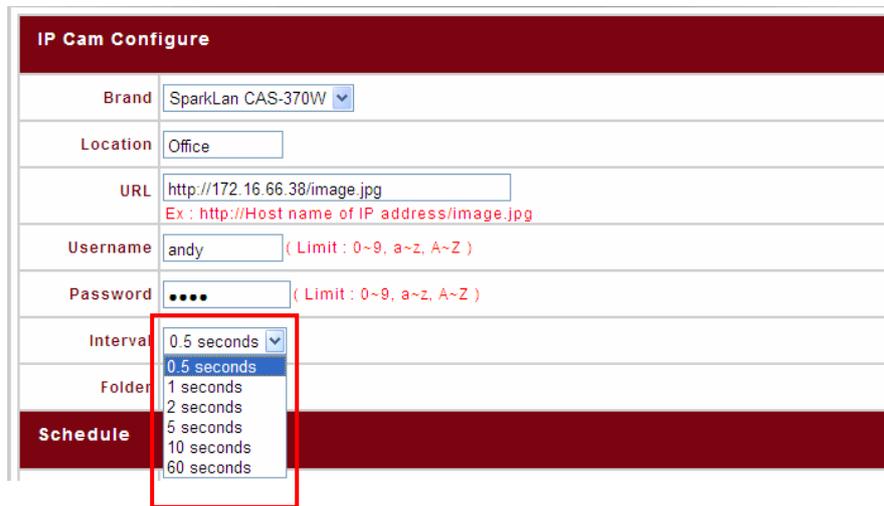
With **URL** field, input correct IP address of the IP CAM you have selected. Be sure to fill in the complete URL path. Refer to figure below for reference.

IP Cam Configure	
Brand	SparkLan CAS-370W
Location	Office
URL	http://172.16.66.38/image.jpg Ex : http://Host name of IP address/image.jpg
Username	<input type="text"/> ( Limit : 0~9, a~z, A~Z )
Password	<input type="text"/> ( Limit : 0~9, a~z, A~Z )
Interval	0.5 seconds
Folder	x60IBM

Next, enter a **Username** and **Password** if the selected IP Cam requires one for access. If not, just leave them blank.

IP Cam Configure	
Brand	SparkLan CAS-370W
Location	Office
URL	http://172.16.66.38/image.jpg Ex : http://Host name of IP address/image.jpg
Username	andy ( Limit : 0~9, a~z, A~Z )
Password	•••• ( Limit : 0~9, a~z, A~Z )
Interval	0.5 seconds
Folder	x60IBM

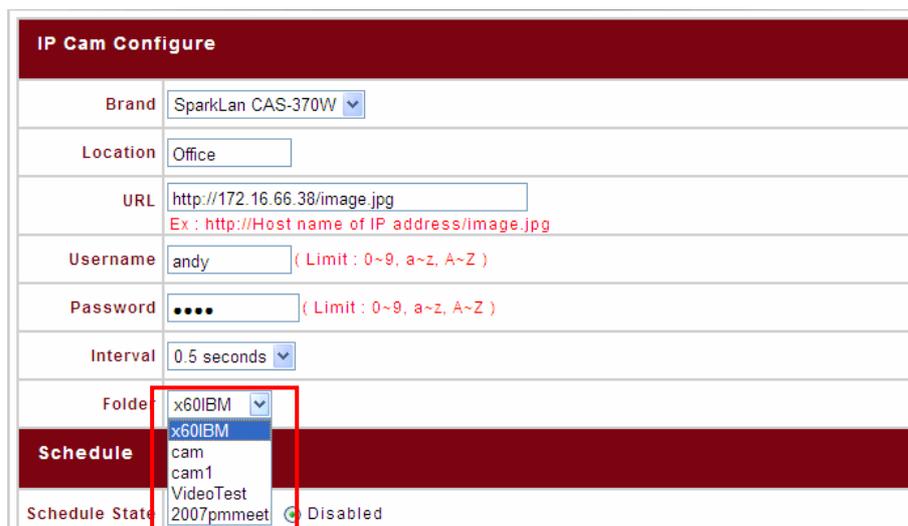
The **Interval** setting depends on the frequency you wish the IP Cam module to take snapshots. Choose the desired interval from the drop down menu.



The screenshot shows the 'IP Cam Configure' form. The 'Interval' dropdown menu is open, showing options: 0.5 seconds, 1 seconds, 2 seconds, 5 seconds, 10 seconds, and 60 seconds. The '0.5 seconds' option is highlighted. A red box highlights the dropdown menu.

IP Cam Configure	
Brand	SparkLan CAS-370W
Location	Office
URL	http://172.16.66.38/image.jpg Ex : http://Host name of IP address/image.jpg
Username	andy ( Limit : 0~9, a~z, A~Z )
Password	..... ( Limit : 0~9, a~z, A~Z )
Interval	0.5 seconds
Folder	
<b>Schedule</b>	

Finally, select a system **Folder** from the drop down. This is the system folder where will create inputted "Location" in sub folder with the pictures will be stored.

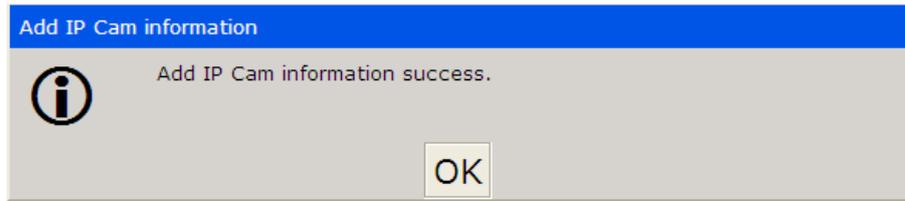


The screenshot shows the 'IP Cam Configure' form. The 'Folder' dropdown menu is open, showing options: x60IBM, cam, cam1, VideoTest, and 2007pmmmeet. The 'x60IBM' option is highlighted. A red box highlights the dropdown menu.

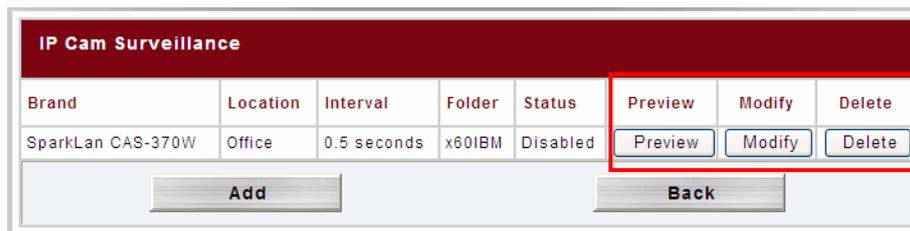
IP Cam Configure	
Brand	SparkLan CAS-370W
Location	Office
URL	http://172.16.66.38/image.jpg Ex : http://Host name of IP address/image.jpg
Username	andy ( Limit : 0~9, a~z, A~Z )
Password	..... ( Limit : 0~9, a~z, A~Z )
Interval	0.5 seconds
Folder	x60IBM
<b>Schedule</b>	
Schedule State	2007pmmmeet Disabled

The basic IP CAM settings are now complete. You may carry on with configuring the capture schedule right away or do it later on.

If you decide to setup the capture schedule later on, click **Apply** button and system will display the confirmation dialog box.



Click **OK** and the system will bring you back to the **IP Cam Surveillance** window. Please refer to the figure below.



From the **IP Cam Surveillance** window, you will see three buttons.

The **Preview** button displays the captured screen at the moment it is clicked. It is useful to double check whether the IP Cam is positioned correctly.

The **Delete** button will simply remove associated IP Cam from list when clicked. A confirmation dialog box will appear to confirm your selection.



Clicking the **Modify** button will allow you to modify the various IP Cam settings.

After finishing with the basic settings, we need to now configure the capture schedule

. To do this, begin by activating the schedule function by selecting **Enable** in the **Schedule** window.

Schedule												
Schedule State	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled											
Frequency	<input type="checkbox"/> Always											
Week Day	<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday											
Time	<input type="checkbox"/> Select All											
	0	1	2	3	4	5	6	7	8	9	10	11
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	13	14	15	16	17	18	19	20	21	22	23
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Next, select time slot you want to record through the selected IP Cam.

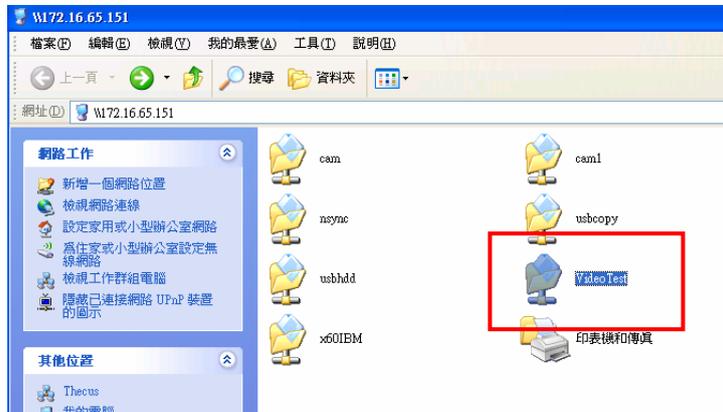
If **Always** has been selected, it will start to record right away and will not stop until the **Schedule State** is set to **Disabled**.

Schedule												
Schedule State	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled											
Frequency	<input checked="" type="checkbox"/> Always											
Week Day	<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday											
Time	<input type="checkbox"/> Select All											
	0	1	2	3	4	5	6	7	8	9	10	11
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	13	14	15	16	17	18	19	20	21	22	23
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Alternatively, you can schedule the IP Cam to capture daily or hourly. Take a look at the example below. It will record every Monday and Tuesday from 2:00 – 6:00 and from 20:00 – 22:00.

Schedule												
Schedule State	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled											
Frequency	<input type="checkbox"/> Always											
Week Day	<input type="checkbox"/> Sunday <input checked="" type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday											
Time	<input type="checkbox"/> Select All											
	0	1	2	3	4	5	6	7	8	9	10	11
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	13	14	15	16	17	18	19	20	21	22	23
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

One important point worth mentioning is how captured video is stored. The folder where captured images are stored is the one designated in the **Folder** drop down on the **IP Cam Surveillance** window. See the figure below for reference.



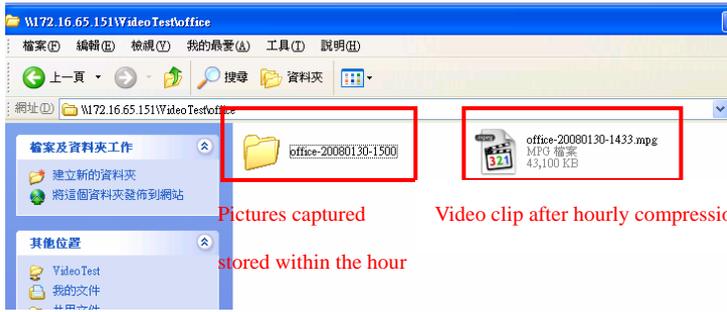
The **Location** will be the one designated in the **IP Cam Surveillance** window. If none was designated, the system will automatically create one. In the example below, the location is “Office”:



The IP Cam will capture images according to the designated schedule. The files will be named using the following format:

Location + year + month + day + hour

All of captured screen shots will be stored inside the above folder, and the system will compress the video clip every hour and stored with file name accordingly. Please refer to figure below for reference.



Pictures captured  
stored within the hour

Video clip after hourly compression